



Facility Permit No: SLAS-23-10
Wesson Septic Tank Service, Inc.
Permit to Operate
May 15, 2014
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North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION


**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

Wesson Septic Tank Service, Inc.
Kati W. Beaver & M. Todd Wesson
707 Poplar Springs Church Road
Shelby, NC 28152

is hereby permitted to operate Septage Land and Application Site with permit # **SLAS-23-10** located on SR#1151 in Cleveland County in approximate position 35.27313° N latitude and -81.59318° E longitude. This site is permitted only for operations that are conducted in accordance with the representations made in the approved application, with all conditions attached to this permit, and with all of the provisions of 15A NCAC 13B.0800 -- Septage Management. Failure to operate as permitted may result in the Department suspending or revoking this permit, initiating action to enjoin the unpermitted operation, imposing administrative penalties, or invoking any other remedy as provided in Chapter 130A, Article 1, Part 2 of the North Carolina General Statutes.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in effect at the time of review.

Date Issued 5/15/2014


Martin A. Gallagher, Branch Head
Composting & Land Application Branch

CONDITIONS OF OPERATING PERMIT

1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Kati W. Beaver and approved by the Division of Waste Management. **The 12.9-acre site shall be divided into Field 1 (6.4 acres) and Field 2 (6.5 acres) and shall remain established in fescue. The site was GPS'd which resulted in a reduction in permitted disposal acreage.** The fescue shall be cut as hay and baled from each field at least twice a year, approximately in May-June and again in October-November. The 30-day waiting period between the last application of septage and the harvest of the crop shall be met by alternating septage applications, the waiting period and harvest between the two permitted fields. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Kati W. Beaver in such a manner as to prevent the migration of wastes off of the designated waste receiving site. A 50-foot buffer planted in tall fescue shall remain undisturbed around the perimeter of the site. Any site improvements noted in the plan must be installed within 30 days of plan approval. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other local, state, and federal government agencies which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the Federal Regulations listed in the Code of Federal Regulations, 40 CFR Part 503.
5. This permit may be modified or reissued at any time to incorporate any conditions, limitations and/or monitoring requirements the Division deems necessary to adequately protect the environment and public health.

6. **This site is only permitted for the land application of domestic septage (including portable toilet waste) and grease trap pumpings.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 12.9 acres that are available for land application of septage.** The maximum annual application rate shall be 50,000 gallons per acre per year, for a total, **maximum annual application rate of 645,000 gallons.** This application rate assumes equal septage distribution, on an annual basis, over the permitted area. Monthly septage applications shall not exceed the monthly relative application rates given in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 12,403 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage shall not be applied during periods of high soil moisture. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.

13. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee or an employee of the firm named in this permit shall discharge septage at this site without prior appropriate notification and written approval from the Division.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure. This permit is non-transferable.
15. **This permit shall expire on October 17, 2017.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date. A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838 (e)(1) of the NC Septage Management Rules and the Code of Federal Regulations, 40 CFR Part 503.17 (b).
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division upon request.
17. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. Boundaries of the permitted septage land application fields shall be clearly marked on the ground.
19. The areas that can be used for land application of septage shall be maintained at least 500 feet from any existing wells, residences, places of business, or places of public assembly. Septage shall not be disposed of within 50 feet of any property line, within 100 feet of any ditch or within 200 feet of any surface water unless specified otherwise.



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May 15, 2014

Ms. Kati W. Beaver & Mr. M. Todd Wesson
Wesson Septic Tank Service, Inc.
707 Poplar Springs Church Road
Shelby, NC 28152

**RE: SLAS permit renewal
Wesson Septic Tank Service, Inc.
SLAS-23-10
SR#1151 in Cleveland County**

Dear Ms. Beaver & Mr. Wesson:

The NC Division of Waste Management has reviewed your application to renew a Septage Land Application Site permit in Cleveland County. Your application has been approved and your permit, # **SLAS-23-10**, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions. **Please note that previously the setbacks were verified and the site GPS'd which showed a reduction in the permitted disposal acreage and application rates which is reflected in Permit Conditions #2 & #7.**

Please read all of your permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit's conditions. In particular, review Permit Condition 15, which states that you will need to submit septage application logs for your site in order to renew your permit. These logs need to cover the entire time your current permit is valid. For details on the information you should include, consult the NC Septage Management Rule 15A NCAC 13B .0838(e)(1) and the Federal register's 40CFR Part 503.17(b). This permit condition also states that this permit is valid until **October 17, 2017**. If you have any questions, please ask for assistance as rule violations could expose you to administrative penalties.

Please note that to land apply industrial or commercial septage at a permitted septage disposal site you must have **prior approval** from the NC Division of Waste Management. The waste must be sampled prior to being removed from the system. Generally, the Division will request that you have a waste analysis run on septage from each commercial or industrial septage generator before that type of septage is approved for land application.

Use of a land application site or septage detention or treatment facility that is not permitted may result in administrative penalties up to \$15,000 per violation in accordance with NC General Statute 130A-22.

If you have any questions, please contact me at (910) 433-3352 or Martin Gallagher at (919) 707-8280.

Sincerely,

Connie Wylie, Soil Scientist
Division of Waste Management, NCDENR

Enclosures

cc: Estate of Carolyn Wesson
Cleveland County Health Department

APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I. Site and Operator Information

1. Applicant WESSON SEPTIC TANK SERVICE INC.
Address 707 Poplar Springs Ch. RD
Shelby, NC 28152
Phone 704.487.9997
2. Contact person for site operation (if different from applicant): Kati Wesson Beaver
Title or position PRESIDENT Phone 704.487.9997
Address Same as above
3. Landowner Estate of Carolyn P. Wesson
Address 707 Poplar Springs Ch. RD
Shelby, NC 28152
4. Site Location: County Cleveland State Road Number 1151
Directions to site: 74W-TL on Old Boiling Springs RD. - TL on
Poplar Springs Ch RD. - 4th Pse on L
5. Indicate whether request is: new _____ renewal ☒ modification _____
- For a permit renewal or modification, provide the following information:
Existing site permit number: SLAS-#23-10 permit expiration date: 10/17/2012
6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 16 acres.
7. Substances other than septage or grease trap pumpings previously disposed of on the site:
(a) None _____, or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge. Portable Toilet Waste
8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). **If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.** See attached
9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report. on file - soil analysis on file
10. Attach a vicinity map (county road map showing site location). on file

(over)

RECEIVED
OCT 02 2012

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

II. Site Management Information:

The following information shall be included with the application form.

1. Nutrient Management Plan See attached
2. Soil Erosion and Runoff Control Plan See attached
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): SDTF # 23.10 + See attached copy of authorization
4. Types of septage proposed to be discharged at the site (check all that apply):
- (a) Domestic septage pumped from septic tanks ☒
 - (b) Grease trap pumpings ☒
 - (c) Portable toilet waste ☒
 - (d) Commercial / Industrial septage ☐
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Lime stabilization - See attached
add hydrated lime to raise pH to 12 or higher, hold there for 24 hr for
domestic and store before for grease before land application should occur
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Spreader applied - See
moving vehicle with attached
spreader attachment
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): Agricultural land

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

Kati Wasson Beaver
 Signature**

8/3/2012
 Date

Kati Wasson Beaver
 Print name

PRESIDENT
 Title

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0837(e) of the N.C. Septage Management Rules.

** Refer to Section .0837(g) of the N.C. Septage Management Rules.

***Signature of company official required.

M Todd Wasson M Todd Wasson - KP, T105 4/11/13 Date

Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I, Heirs of Don't Carolyn Wesson (name of site owner) hereby certify that I am the owner of
69.44 of which 18 is permitted as LA 23-10
acres of land located at 707 Poplar Springs Ch RD., Shelby, NC
and identified by DBB 14A Pg 668 (book and page of recorded deed
or tax map parcel) and that I agree to allow Kati Wesson Beaver of
Wesson Septic Tank Service Inc. (name of site
operator) to use said land for septage land application for a period of 5 years (length
of time), beginning Oct 17, 2012 (month, day and year) and that I have read the
North Carolina Septage Management Rules *, and I understand and agree to maintain the restrictions on
land use after septage land application ends **. I further understand that no septage may be land applied
until the Division of Waste Management has issued a permit for a septage land application site. The above
described property is owned solely by me or jointly with Wanda W. James
Donald A Wesson III
William J. Wesson

Major T. Wesson and Kati Wesson Beaver (names of all co-owners, or state none)

Signature of landowner Major T. Wesson Date 1/30/2013

Signature of landowner Kati Wesson Beaver Date 1/30/2013

Sworn to and subscribed before me this 30 day of Jan, 20 13.

Christie R. Hogston
(Notary Public)

My Commission expires: Feb 1, 2014

* 15A N.C. Admin. Code 13B Section .0800

** As required by Rule .0843



WESSON SEPTIC TANK SERVICE INC.

707 Poplar Springs Ch. Rd.

Shelby, NC 28152

PH: 704-487-9997 FAX: 704-482-9658

Nutrient Management Plan

Applications of Septage to Tall Fescue at SLAS-23-10 located in a field at 707 Poplar Springs Church Road, Shelby, NC 28152.

Background for this plan – At one time, several treatment facilities in the area were no longer accepting septage. The only facility that was still accepting septage was located in Rutherford County. Currently, the City of Shelby is accepting septage for a set price for disposal per 1000 gallons. It became essential to start land applications in order to keep pump trucks free to meet the periodic demand of septic tank pumping. A 16-acre site behind the business headquarters was approved by Solid Waste Management.

A. General Information

1. Septage will be sampled at least 2 times per year for waste analysis. These samples will be used to monitor nutrient loadings. Soil samples will be taken each fall.
2. Total area available for septage applications on the site is 16 acres. This will be divided into two smaller management units which will be marked with metal field posts – Field Sections #1 and #2. Field Section #1 contains no more than 8 acres and Field Section #2 likewise. A 50' perimeter buffer is flagged. This buffer area will be planted outside of the approved area.
3. The dominant soil series at this site is Cecil, a sandy clay loam.
4. Septage will not be applied where the site is untrafficable. (Untrafficable is defined as soil that will allow a loaded truck to leave a depression in sod greater than 3" in depth.) At these times, septage will be delivered to the City of Shelby or other treatment facility accepting septage at the time.
5. At least 50 lbs. of Hydrated Lime will be added to each 1000 gallons of septage to kill pathogens and vectors and to reduce odor.

B. Crops to be Grown

Sections will be reseeded with fescue Kentucky 31 during the last week of September at a rate of 35 lbs. per acre with a no-till drill. If bare spots exist come late February, these spots will be reseeded in K31 fescue in late February at a rate of 35 lbs. per acre with a no-till drill or a rate equivalent to the percentage of bare spots. Septage applications will be made as per the application rate in Section-D.

Reseeding will be done if less than 80% groundcover (fescue) occurs.

C. Nitrogen Needs for Crops Grown

Realistic Yield Expectation is 3 tons of hay/acre/year for a nitrogen requirement of 135 lbs. per acre.

D. Relative Application Rate for Both Field Sections

<u>Month</u>	<u>Rate</u>
January	Low
February	Medium
March	High
April	Medium
May	Low
June	Low
July	Low
August	Low
September	Medium
October	Low
November	Low
December	Low

None = 0 gallons; Low = 5000 gallons

Medium = 10000 gallons; High = 15000 gallons

NOTE: Cumulative application rate is not to exceed the permitted application rate of 50000 gallons per acre per year.

E. Application Method

The preceding information is based on septage being evenly applied over the entire permitted site by pump trucks with dispersion fins. Application width is 12'.

F. Additional Fertility Requirements

Both phosphorus and potassium will be added in accordance with the standard soil test results for the crops grown. Additional nitrogen may be applied in February or August to promote optimal hay yields. The amount will be based on the 135 pound total requirement less the estimated 2.6 pounds for each 1000 gallons of septage applied.

The buffer area will be fertilized with 100 lbs. of N per acre and phosphorus and potassium rates recommended on the soil test report. Buffer area will not be harvested but weeds will be controlled by clipping or herbicides.

G. Harvest of the Crops for Their Use

Ruf Harvest will occur at approx 15 inches.

1. Fescue will be cut as hay and baled twice per year with a 30 day Waiting period observed between the last application of septage and harvest. In Field Section #1, septage applications will cease March 31st and harvest of hay will be made as soon after May 1st as possible. After harvest, applications of septage can resume until August 30th. After the required interval, harvest of hay will be made as soon after October 1st as possible. After harvest of hay, septage applications can resume.
2. In Field Section #2, septage applications will cease April 30th. Hay will be harvested as soon after June 1st as possible after which applications of septage will resume until September 30th. Harvest will be made as soon after November 1st as possible and septage applications will resume
3. Bales will be sold to local farmers to feed beef cattle.

H. Lime Stabilization

Hydrated Lime will be added to domestic septage in order to raise the pH to 12 and hold at 12 for 30 minutes. Hydrated Lime will be added to grease mixed septage in order to raise the pH to 12 and hold at 12 for 2 hours. There will be 4 loads of septage to 1 load of grease before application to land (4:1 Ratio). This will thin the grease down in order to avoid killing the fescue. PH is tested by using pHyrion Paper 150AB as instructed by Anthony Foster.

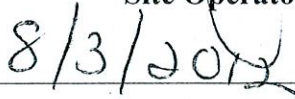
SOIL EROSION AND RUNOFF CONTROL PLAN

Slopes on this site do not exceed 5%. The 50' buffer, planted in tall fescue, should suffice to prevent septage waste from migrating off of the fields. The buffer will not be harvested, but weeds will be controlled by clipping and/or herbicides as appropriate. Leaving the buffer uncut will reduce the risk of little runoff.

Submitted by:


Site Operator

Date:



Address:

**707 Poplar Springs Ch. Rd.
Shelby, NC 28152**

Phone:

704-487-9997

Original
Preparation

Assistance by:

Steve G. Gibson

Date:

August 9, 1996

Updated by:

Kati W. Beaver

Date:

August 30, 2002

WESSON SEPTIC TANK SERVICE INC.

RECORD OF SEPTAGE APPLICATIONS/DISPOSITION AT TREATMENT FACILITY

FIELD SECTION #1 TALL FESCUE		FIELD SECTION #2 TALL FESCUE		TREATMENT FACILITY	
MO/YEAR	# GALLONS APPLIED	MO/YEAR	# GALLONS APPLIED	MO/YEAR	# GALLONS DUMPED
JANUARY		JANUARY		JANUARY	
FEBRUARY		FEBRUARY		FEBRUARY	
MARCH		MARCH		MARCH	
APRIL	NONE	APRIL		APRIL	
MAY		MAY	NONE	MAY	
JUNE		JUNE		JUNE	
JULY		JULY		JULY	
AUGUST		AUGUST		AUGUST	
SEPTEMBER	NONE	SEPTEMBER		SEPTEMBER	
OCTOBER		OCTOBER	NONE	OCTOBER	
NOVEMBER		NOVEMBER		NOVEMBER	
DECEMBER		DECEMBER		DECEMBER	
YEARLY TOTAL		YEARLY TOTAL		YEARLY TOTAL	

Field Section #1:

Not to exceed 40,000 gallons for January, May, June, July, August, October, November, or December

Not to exceed 80,000 gallons for February

Not to exceed 120,000 gallons for March

NO Applications in April or September

Entire Section NOT to exceed 400,000 in Calendar Year

Field Section #2:

Not to exceed 40,000 gallons for January, June, July, August, November, or December

Not to exceed 80,000 gallons for February, April, September

Not to exceed 120,000 gallons for March

NO Applications in May or October

Entire Section NOT to exceed 400,000 in Calendar Year

SLAS-23-10

35.27313° N latitude
-81.59318° E longitude



Source: Bing Maps aerial imagery, ESRI, (c) 2010 Microsoft Corporation and its data suppliers; site boundary, NC DENR Division of Waste Management
Map created by NC DENR Division of Waste Management, Compost and Land Application Branch for permitting purposes only

crc, March 2013

SHELBY TWP. NO. 6

NO. 6

RIPPY'S TWP. NO. 3

NO. 3

